

IN THE SPECIFICATION:

Please amend the specification as indicated below.

Please amend the paragraph beginning on page 1, line 4, as follows:

This application is a Continuation-in-Part (CIP) of U.S. Application No. 10/214,706, entitled "Pressurizer For a Rocket Engine," filed August 9, 2002, and issued as U.S. Patent No. 6,751,945.

Please add the following paragraph after line 5 on page 10:

Fig. 18 shows a perspective view of a pressurizer according to another embodiment.

Please add the following paragraph after line 16 on page 31:

Fig. 18 shows another embodiment of the present invention. Two storage tanks 300 (an upper and a lower), each having a differential piston 302, are connected back-to-back so that differential pistons 302 are connected by a connecting rod 304. Further, the storage tanks 300 are oriented so that the higher-pressure region (i.e., the region containing propellant 12) of the upper storage tank 300 is the lower region of the upper storage tank 300, and the higher-pressure region of the lower storage tank 300 is the upper region of the lower storage tank 300. The two storage tanks 300 may be divided by a separator 306 having a hole through which connecting rod 304 may pass. There may be a very tight clearance between the connecting rod 304 and the hole in the separator 306, and the hole in the separator 306 may have piston rings, to prevent leakage of propellant 12 from the higher pressure region of the upper storage tank 300 to the higher pressure region of the lower storage tank 300, and vice versa. Each storage tank 300 may comprise a propellant entrance valve 308, a propellant exit valve 310, a pressurant entrance valve 312, and a pressurant exit valve 314. The propellant entrance and exit valves 308, 310 may be similar to propellant entrance and exit valves 218, 220 described with respect to Figs. 17a

and 17b. Pressurant entrance and exit valves 312, 314 may be any valves known in the art, and may or may not comprise the pressurant entrance and exit valves described with respect to Figs. 16a and 16b (reference numbers 202, 204, 208, 210). For simplicity of explanation, arrows in Fig. 18 show a direction of movement of pressurant through pressurant entrance and exit valves 312, 314 (which in Fig. 18 are shown approximately perpendicular to the direction of motion of pistons 302), but the direction of movement of the pressurant through pressurant entrance and exit valves 312, 314 may be other than that shown, such as approximately parallel to the direction of motion of pistons 302).